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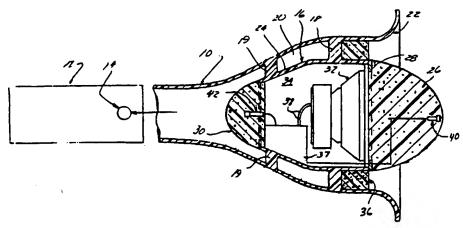
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(54) Active noise attenuation system

(57) A noise attenuation system for the air induction ducting particularly for an internal combustion engine has an outwardly facing loudspeaker mounted within an air inlet duct so as to lie in the plane of the air intake opening. Signals from an error microphone (and also optionally a detector microphone) are processed in a signal controller, the output driver used to drive the loud-

speaker so that a cancellation sound field is produced, which attenuates the noise emanating from the air intake. The speaker is mounted on a fairing body creating an annular flow passage, a filter element ring inserted in the annular space.



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EUROPEAN SEARCH REPORT

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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